



National Aeronautics and  
Space Administration  
John C. Stennis Space Center  
Stennis Space Center, MS 39529-6000

## PRELIMINARY ENVIRONMENTAL SURVEY

(Implemented by NPR 8580.1)

NASA ONLY  
PES#

### SECTION I. PROJECT DESCRIPTION

a. Project Title		b. Date of Survey	
c. Name of Contact Person		Phone No.	Building No.
d. Estimated Construction Start Date		Estimated Activation Start Date	
e. Description of Project			
f. Location of Proposed Activity			
g. Type of Action/Activity (Check one) <input type="checkbox"/> Modification or Expansion <input type="checkbox"/> New Construction <input type="checkbox"/> Replacement		j. Estimated Total Cost of Activity \$ _____ Fund Source _____ Estimated Operating Schedule (for operations not construction) Hours per Day _____ Days per Week _____ Weeks per Year _____	
h. Estimated Land Area Required (Include Units) _____		k. Anticipated Life of Project Years _____	
i. Estimated Number of Employees Construction _____ Permanent _____			

### SECTION II. AIR

Does the Activity	Yes	No	Maybe	Describe
1. Use fuel-burning equipment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Store and/or use any gaseous, pressurized, or liquid chemicals?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Use CFCs, halons, methyl chloroform, or carbon tetrachloride?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Produce any particulate or gaseous emissions?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. Use any particulate or gaseous emission control equipment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. Use paint and/or solvents?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7. Involve abrasive blasting of any structure or vessel?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



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Does the Activity	Yes	No	Maybe	Describe
8. Involve installation, alteration, modification, or maintenance of any of the following? (Check all that apply):	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> fume hoods				
<input type="checkbox"/> emergency generators				
<input type="checkbox"/> exhaust fans				
<input type="checkbox"/> scrubbers				
<input type="checkbox"/> drains				
<input type="checkbox"/> compressors				
<input type="checkbox"/> chillers				
<input type="checkbox"/> portable generators				
<input type="checkbox"/> spray booths				
<input type="checkbox"/> battery rooms				
<input type="checkbox"/> chemical baths				
<input type="checkbox"/> industrial ovens				
<input type="checkbox"/> boilers				
<input type="checkbox"/> HVAC systems				
<input type="checkbox"/> vents				
<input type="checkbox"/> piping				
<input type="checkbox"/> cooling towers				
<input type="checkbox"/> paint booths				
<input type="checkbox"/> incinerators				
<input type="checkbox"/> degreasers				
<input type="checkbox"/>				

### SECTION III. WATER

Does the Activity	Yes	No	Maybe	Describe
1. Involve installation, alteration, modification, or maintenance of any of the following? (Check all that apply):	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> dikes				
<input type="checkbox"/> drainage ditches				
<input type="checkbox"/> sewer lines				
<input type="checkbox"/> culverts				
<input type="checkbox"/> above ground tanks				
<input type="checkbox"/> ponds				
<input type="checkbox"/> comm lines				
<input type="checkbox"/> french drains				
<input type="checkbox"/> separators				
<input type="checkbox"/> seepage pits				
<input type="checkbox"/> impoundments				
<input type="checkbox"/> septic tanks				
<input type="checkbox"/> sewer connections				
<input type="checkbox"/> water lines				
<input type="checkbox"/> wells				
<input type="checkbox"/> underground tanks				
<input type="checkbox"/> sumps				
<input type="checkbox"/> electric lines				
<input type="checkbox"/> storm drains				
<input type="checkbox"/> channels				
<input type="checkbox"/>				
2. Require water for process operation other than for drinking water and/or sanitation?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Use non contact or contact cooling water?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Discharge process wastewater?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. Use water transportation?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. Involve steam cleaning or water blasting of any structure or vessel?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7. Require a location on or with direct access to a river, lake, stream, canal, or other water body?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8. Store bulk gasoline, diesel, or liquid chemicals? If so, above or underground storage?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9. Will process area storm water runoff be controlled by diversion, storage and controlled release, or other methods?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10. Involve disturbance of land/surface areas?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the land disturbing activity:				
<input type="checkbox"/> More than 1 but less than 5 acres (Requires a Small Construction Storm Water General Permit to include a Storm Water Pollution Prevention Plan)				
<input type="checkbox"/> More than 5 but less than 10 acres (Requires a Large Construction Storm Water General Permit to include a Storm Water Pollution Prevention Plan)				
<input type="checkbox"/> 10 or more acres (Requires a Large Construction Storm Water General Permit to include a Storm Water Pollution Prevention Plan, and a site sediment basin)				



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### SECTION IV. LAND/WETLANDS

Does the Activity	Yes	No	Maybe	Describe
1. Require clearing, site grading, excavation, dredging, filling, and/or construction of docks, piers, or dolphins?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Involve work in or adjacent to flood plains or water bodies?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Involve clearing and filling of wetlands? If yes or maybe, provide alternative sites considered and justification for wetlands impact in the Remarks/Additional Information section at the end of the survey. Also submit maps showing the preferred site and alternate sites considered.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Cause an increase in wind or water erosion of soils, either on or off site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### SECTION V. NOISE AND VIBRATION (other than routine construction noise)

	Yes	No	Maybe	Describe
1. Will the proposed action create noise and/or vibration?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### SECTION VI. TRANSPORTATION AND UTILITY CORRIDORS

Does the Activity	Yes	No	Maybe	Describe
1. Add new roads and/or utility service lines?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Add any extensions and/or modifications to SSC's existing utility systems?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### SECTION VII. SOLID AND HAZARDOUS WASTE

Does the Activity	Yes	No	Maybe	Describe
1. Use or store chemicals at the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Generate any solid or liquid wastes? If Yes, Describe type of waste.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Involve treatment, storage, and/or disposal operations?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Use any chemical recycling equipment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### SECTION VIII. TOXIC AND HAZARDOUS SUBSTANCES

Does the Activity	Yes	No	Maybe	Describe
1. Involve the use of PCB-containing equipment or asbestos-containing material, or will any existing asbestos-containing materials be disturbed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Use pesticides including insecticides, herbicides, fungicides, or rodenticides?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Result in the exposure or disturbance of contaminated soil or ground water?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Require acquisition, use, or storage of any toxic or hazardous substance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. Will the proposed action or existing activity use or introduce any new sources of ionizing or non ionizing radiation?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. Use any propellants or explosives?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7. Generate waste propellant or waste explosives?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### SECTION IX. HISTORIC RESOURCES

Does the Activity	Yes	No	Maybe	Describe
1. Involve alteration or addition to test stands A-1/A-2 or B-1/B-2?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Involve ground disturbing activities within 1/2 mile of the Rouchon House, Building S-2425, at the town site of Gainesville?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



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Does the Activity	Yes	No	Maybe	Describe
3. Involve ground disturbing activities within 1 mile of the Logtown Cemetery at the town site of Logtown?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Involve easement lands in the acoustic buffer zone?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### SECTION X. ENVIRONMENTAL JUSTICE

Does the Activity	Yes	No	Maybe	Describe
1. Adversely impact land use within a 5 to 10 mile radius of the SSC buffer zone?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### SECTION XI. NATURAL RESOURCES

Does the Activity	Yes	No	Maybe	Describe
1. Require timber removal?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Require landscaping?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Require additional energy consumption?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Require additional surface or groundwater usage?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### SECTION XII. AFFIRMATIVE PROCUREMENT AND RECYCLING

Does the Activity	Yes	No	Maybe	Describe
1. Involve the purchase of recycled-content products designated by the Environmental Protection Agency?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Require an AP waiver?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Involve recovery or recycling of materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### Remarks/Additional Information

Printed Name of Person Completing This Form

Signature of Person Completing This Form

Telephone No.

Building No.



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### INSTRUCTIONS

The National Environmental Policy Act (NEPA) requires NASA to consider the environmental impacts of its actions in decision making processes. This survey is used to document proposed programs or projects and the environmental issues that need to be investigated. Survey submittal will trigger the NEPA process and a determination will be made as to whether the program or project fits into a categorical exclusion or if an environmental assessment or environmental impact statement needs to be prepared. You will receive a Record of Environmental Consideration in response to your submittal that will inform you of actions that must be taken to minimize or mitigate environmental impacts. This survey must be submitted by NASA or NASA contractor personnel responsible for development or implementation of a program or project. A submittal is not required for routine maintenance activities. Other agencies and commercial operations at Stennis Space Center must submit a survey for new construction or new operations that may have an impact on the environment. The survey should be submitted to the NASA Environmental Officer or the NASA NEPA Coordinator as soon as practicable but not later than the 30% program or design review. If the project does not require a design review then submittal should be made as soon as the work is clearly identified. If the scope of a program or project changes during the course of development then an updated survey must be submitted.